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NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
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DWPI and DPCI

NEWS EXPRESS July 11 CURRENT WINDOWS VERSION IS V6.0b,
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AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001

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=> s 3 end(10a)primer#(10a)cleav?

L4 35 3 END(10A) PRIMER#(10A) CLEAV?

=> s 14 and 5 end and immobil?

L5 0 L4 AND 5 END AND IMMOBIL?

=> s 14 and immobil?

L6 3 L4 AND IMMOBIL?

=> s 16 and (end or termi?)

L7 3 L6 AND (END OR TERMI?)

=> d 16 1-3 bib ab

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2001 ACS

AN 2000:764987 CAPLUS

DN 133:319302

TI Method and reagent kits for nucleic acid detection

IN Fujimura, Katsuya

PA Gijutsu Kenkyu Kumiai Iryo Fukushima Kiki Kenkyusho, Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000300267	A2	20001031	JP 1999-113165	19990421
AB	A method and reagent kits for detection of nucleic acid based on hybridization of spacer primer, immobilization , and incorporation of labeled nucleotides using terminal deoxyribo-nucleotidyl transferase (tdt), is disclosed. The method involves treatment with				

RNAse

H to **cleave** off RNA region of DNA-RNA chimeric **primer** at the **3' end** to de-block it.

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2001 ACS

AN 2000:145062 CAPLUS

DN 132:177428

TI Enzyme activity screen with direct substrate reloading

IN Pedersen, Henrik; Holder, Swen; Kjems, Jorgen; Lund, Mette Katrine

PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DT Patent

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000011212	A1	20000302	WO 1999-DK442	19990819
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9951541	A1	20000314	AU 1999-51541	19990819
	EP 1105522	A1	20010613	EP 1999-936447	19990819
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI	DK 1998-1043	A	19980819		
	DK 1998-1107	A	19980902		
	WO 1999-DK442	W	19990819		

AB A method for in vitro selection, from a library of catalyst mols., of a catalyst mol. of interest having a relatively more efficient specific catalytic activity, as compared to the rest of the catalyst mols. within said library, is disclosed. The in vitro selection method allows multiple catalytic activity turnovers (i.e. substrate to product conversions) by the catalyst mol. of interest before it is finally collected. The method is based on using one or more reagent(s) which are capable of converting a product generated by a catalyst mol. of interest back into the substrate for said catalyst of interest. The library of catalyst mols. comprises individual units C-S (C = catalyst; S = substrate; S is covalently attached to C in such a way that a catalytic reaction between C and S is possible), which are converted to C-P (P = product) by the catalytic activity of C. P is in contact with one or more reagents which converts it back into S. A characteristic of P allows isolation of a P-contg. substance which contains information allowing the unambiguous identification of the catalyst mol. which catalyzed the conversion C.fwdarw. P. Thus, the method was used to isolated DNA polymerase variants with increased activity. A DNA primer was attached to a filamentous phage displaying DNA polymerase. The DNA-conjugated phages are passed through a column coated with DNA complementary to the primer. The two complementary strands can transiently assoc. to form a duplex. The polymerase displayed on the phage may elongate the primer, thus stabilizing the complex and essentially **immobilizing** the phage on the matrix. The elution buffer also contains a restriction enzyme which **cleaves** the DNA to regenerate the original 3'-end of the **primer**, thus restoring the substrate. Phages displaying the more efficient polymerase migrate more slowly on the column and are collecting in the later column fractions.

RE.CNT 6

RE

- (1) Avalle; Bioorg Med Chem Lett 1997, V7(4), P479 CAPLUS
 - (2) Eichler, J; Biochemistry 1993, V32(41), P11035 CAPLUS
 - (3) Evans, D; Nature Biotechnology 1996, V14(4), P504 CAPLUS
 - (4) Kim, D; US 5571681 A 1996 CAPLUS
 - (5) Medical Research Council; WO 9740141 A2 1997 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

AN 1998:728141 CAPLUS

DN 129:326948

TI Sizing of primer extension products using primers containing a chemically cleavable linkage

IN Monforte, Joseph Albert; Becker, Christopher Hank; Shaler, Thomas Andrew; Pollart, Daniel Joseph

PA SRI International, USA

SO U.S., 59 pp. Cont.-in-part of U.S. Ser. No. 445,751.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5830655	A	19981103	US 1996-639363	19960426
	US 5700642	A	19971223	US 1995-445751	19950522
	WO 9637630	A1	19961128	WO 1996-US6116	19960430

W: AU, CA, CN, JP, KR

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,

SE

	CA 2220418	AA	19961128	CA 1996-2220418	19960430
	AU 9656352	A1	19961211	AU 1996-56352	19960430
	AU 695705	B2	19980820		
	EP 828855	A1	19980318	EP 1996-913305	19960430
	EP 828855	B1	19991215		

R: DE, FR, GB, IT, NL

	CN 1191575	A	19980826	CN 1996-195707	19960430
	JP 11505127	T2	19990518	JP 1996-535680	19960430

PRAI US 1995-445751 19950522

US 1996-639363 19960426

WO 1996-US6116 19960430

AB A method for sizing oligonucleotide primer extension products that minimizes the effect of the primer size on the detn. is described. The method can be used to detect mutations, e.g. in mol. diagnosis. The method uses **immobilized** primers that have an unusual linkage in the phosphodiester backbone near the 3'-end of the **primer** that can be **cleaved** chem. Upon selective cleavage of the cleavable site, primer extension products that contain .ltoreq.5 bases from the primer are released, to provide more useful sizing and sequence information per fragment than extension products contg. the entire primer. Methods for the synthesis of oligonucleotides carrying a modified internucleoside linkage such as a dialkoxysilane or a phosphorothioate is described. Primers contg. a riboside that creates a base-cleavable linkage are also described.

09/139,386

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Search Results - Record(s) 1 through 3 of 3 returned.☐ 1. Document ID: US 5830655 A

L2: Entry 1 of 3

File: USPT

Nov 3, 1998

US-PAT-NO: 5830655

DOCUMENT-IDENTIFIER: US 5830655 A

TITLE: Oligonucleotide sizing using cleavable primers

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Monforte; Joseph Albert	Berkeley	CA	N/A	N/A
Becker; Christopher Hank	Menlo Park	CA	N/A	N/A
Shaler; Thomas Andrew	San Francisco	CA	N/A	N/A
Pollart; Daniel Joseph	Menlo Park	CA	N/A	N/A

US-CL-CURRENT: 435/6; 435/395, 435/91.2, 436/178, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	NUMC	Draw Desc	Image
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☐ 2. Document ID: US 5707806 A

L2: Entry 2 of 3

File: USPT

Jan 13, 1998

US-PAT-NO: 5707806

DOCUMENT-IDENTIFIER: US 5707806 A

TITLE: Direct sequence identification of mutations by cleavage- and ligation-associated mutation-specific sequencing

DATE-ISSUED: January 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shuber; Anthony P.	Milford	MA	N/A	N/A

US-CL-CURRENT: 435/6; 435/174, 435/5, 435/91.2, 530/300, 530/350, 536/24.3, 536/24.32, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	NUMC	Draw Desc	Image
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☐ 3. Document ID: US 5700642 A

L2: Entry 3 of 3

File: USPT

Dec 23, 1997

US-PAT-NO: 5700642

DOCUMENT-IDENTIFIER: US 5700642 A

TITLE: Oligonucleotide sizing using immobilized cleavable primers

DATE-ISSUED: December 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Monforte; Joseph Albert	Berkeley	CA	N/A	N/A
Becker; Christopher Hank	Menlo Park	CA	N/A	N/A
Shaler; Thomas Andrew	San Francisco	CA	N/A	N/A
Pollart; Daniel Joseph	Menlo Park	CA	N/A	N/A

US-CL-CURRENT: 435/6; 435/91.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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